Medical marijuana, proven by modern research, benefits a wide range of conditions:

- Glaucoma
- HIIV (AIDS)

Fibromyalgia Osteoporosis

Rheumatism

Arthritis

- Wasting Syndrome (Cachexia)
- Chronic Pain
- Severe Pain
- Migraines

Lou Gehrig's Disease Tourette's Syndrome

Hepatitis C

· Alzheimer's Disease

Diabetes

- Nausea
- Epilepsy Seizures
- Muscle Spasms
- Multiple Sclerosis

Bipolar Disorder Depression & Hypertension

- Crohn's Disease
- Inflammation
- Sleep Apnea

Leven tons of Oxycontin can't cat my

never-ending nerve pain, and soon't control

Medical marijuana brings instant cites, and

the constant muscle spasms in my legs.

I can live a more normal life now - working

Medical marijuana makes ali the

full-time, paying taxes like everyone else.

difference for people like me., 9

computer support specialist, 1998 car crash paraplegic -leff Swenson.



recommendations to patients diagnosed with certain conditions and symptoms. The law (M.C.A. 50-46) also protects physicians voters in 2004, allows physicians to make medical marijuana Montana's Medical Marijuana Act, passed by 62% of and indemnifies them from liability.

public officials. Most people don't know that the peer-reviewed patients & families united is a network of Montana patients and their loved ones working together to improve each other's published literature about medical marijuana, including doubleespecially healthcare providers, law enforcement agencies and blind studies, is voluminous. The pace of new global research increases every year, as do the breadth and significance of the We conduct public education programs targeting everyone, lives and to publicize the facts about medical marijuana. research findings.

constituents unique to marijuana - demonstrate how marijuana is focused on the full marijuana flower, others focused on specific proven to be safe and effective medicine. This research mirrors marijuana's benefits to patients suffering from conditions both severe and common. The studies cited or mentioned - some the experiences of the thousands of patients in the growing This brochure highlights just a few illustrative examples of number of states that allow the use of medical marijuana.

Learn more at our website - www.mtmjpatients.org - which features timely news as well as links to some of the world's leading web-based resources and published research about medical marijuana.

The Medical Uses

well-known substance carrying cultural were a new discovery rather than a prescribed every day. If marijuana and political baggage, it would be ... safer than most medicines hailed as a wonder drug. 55 Lester Grinspoon, Harvard Medical School, emeritus professor of psychiatry, coauthor of Marijuana, the Forbidden Medicine

patients & families united

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Helena, Montana 59624 www.mtmjpatients.org info@mtmjpatients.org

PO. Box 1471

Montana Medical Marijuana Patients, Serving the Interests of Safely & Legally

modern research confirms thousands of years of anecdotal and historical evidence-

Safer than Most Medicines Prescribed Every Day

Modern research documents that marijuana compares favorably to other medicines. It is not physically addictive. It presents fewer side effects - of dramatically lesser consequence and risk - than opioids and numerous other commonly prescribed pharmaceuticals. Many patients report dramatic reductions in their need for other riskier and more expensive prescribed drugs when using medical marijuana. After literally thousands of years of continuous use by peoples of all cultures and eras, there exists not a single recorded incident of death or overdose caused by marijuana.

Marijuana Helps Cancer Patients

Numerous double-blind studies document marijuana's remarkable value in addressing the symptoms of cancer and the side-effects of cancer-treatment, like pain, nausea and low-appetite. Many people are unaware that other research has documented instances of medical marijuana actually *sbrinking* cancerous tumors. Lifelong cigarette smokers who also smoke marijuana have even been found to have a *lower* risk of lung cancer than smokers who don't also use marijuana. And chronic marijuana smokers get cancer no more often than people who have never smoked marijuana or cigarettes.

fCannabinoids ~ the active components of Cannabis sativa and their derivatives ~ exert

preventing nausea, vomiting and pain and by

palliative effects in cancer patients by

stimulating appetite. In addition, these

compounds have been shown to inhibit the growth of tunor cells... Cannabinoids are usually well

tolerated, and do not produce the generalized toxic effects of conventional chemotherapies. $m{J}$

-Guzman, 2003. Cannabinoids: potential anticancer agents Nature Reviews: Cancer. Volume 3, October 2003.

Manjuana Relieves Pain

Name the cause and type of pain, and chances are that recent double-blind research and/or decades of anecdotal information

from patients shows that medical marijuana provides effective relief. This includes chronic pain resulting from severe injuries and conditions such as fibromyalgia, Multiple Sclerosis, cancer and neuropathy related to diabetes, HIV and other conditions. Where pain is connected to inflammation, research has found that medical marijuana delivers site-specific anti-inflammatory relief. Most patients report that marijuana doesn't reduce their ability to function normally the way opiates do, and that they can reduce dramatically or even eliminate their need for opiates and similar risky pain-relievers when using marijuana.

Marijuana Reduces Suffering from Rheumatoid Arthritis

Double-blind research documents that medical marijuana significantly improves pain on movement, pain at rest, quality of sleep, inflammation, and intensity of pain. Other research has found that marijuana effectively blocks the progression of arthritis.

ferectively blocked [the] progression of arthritis

-Malfait et al. 2000. The nonpsychoacticannabis constituents cannabidiol is an oral anti-arthritic therapeutic in murine. *Journal of the Proceedings* of the National Academy of Sciences 97: 9561-9566.

Marijuana Slows & Alleviates Multiple Scierosis

Clinical studies show that marijuana may inhibit the progression of MS. Numerous studies document medical marijuana's power in addressing the disease's many unrelenting symptoms - including pain, muscle spasms, depression, fatigue, and incontinence.

The results of this study are important because they suggest that in addition to symptom management, ...cannabis may also slow the neurodegenerative processes that ultimately lead to chronic disability in Multiple Sclerosis and probably other diseases.

-Pryce et al. 2003. Cannabinoids inhibit neurodegeneration in models of Multiple Sclerosis. *Brain* 126: 2191-2202.

Smoking Not Required

Research documents that vaporizers eliminate completely the negative effects of smoking. Patients also can administer medical marijuana by eating it cooked in many ways – in butter, cakes, cookies, sauces, etc. Patients report medicinal benefits from drinking medical marijuana in teas and from administering via compress or tincture. **Smoking isn't the only way** to receive this medicine – but smoking or vaporizing are the easiest ways for patients to feel beneficial effects almost immediately, and

to realize their greatest ability to make delicate adjustments in dosage.

Marijuana in Pilis and

Marinol - consists solely of THC (tetrahydracannabinol), one of more than 66 known medicinally-active compounds in marijuana. It is approved by U.S. Food & Drug Administration (FDA) only for nausea-

reduction and appetite-

stimulation, and research suggests that it does little - and may be counterproductive - when used for pain relief. Most patients report effects decidedly inferior to those of medical marijuana or of products derived from the full marijuana flower. And Marinol costs considerably more: a typical one-month prescription costs up to \$1,200, while equivalent marijuana ranges from virtually free when grown by oneself, up to approximately \$500 on the open market.

Sativex - a liquid distilled from the full marijuana flower, speciesand-content-controlled, administered in controlled dosages via spray. Currently approved for physician prescription in Canada; approval pending in Europe; just beginning clinical trials in the U.S. under FDA protocols in 2007. Cost expected to be significantly higher than marijuana plants.

Varieties & Strains - Just as there are different kinds of apples and tomatoes, so too for the marijuana plant; and different strains in the genus *cannabis* offer different medicinal advantages. Patients typically research and share information to learn which strains will best meet their needs.

